Technology Opportunities - For Health & Human Services Systems

Public Health Perspective

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Healthiest Wisconsin 2010: A Partnership Plan to Improve the Health of the Public

- 11 Health Priorities

- 5 Infrastructure Priorities
  - Integrated electronic data and information systems

Centers for Disease Control and Prevention

Public Health Information Network (PHIN)

To transform public health by coordinating its functions and organizations with information systems that enable:

- Real-time data flow
- Computer assisted analysis
- Professional collaboration
- Rapid dissemination of information to public health, clinical care and the public

Public Health Preparedness

- Funding of Public Health Infrastructure improvements
- Response to 9/11
- 7 Focus Areas -- all with an IT component
- Dual use

Wisconsin Public Health Data Steering Committee (WPHDSC)

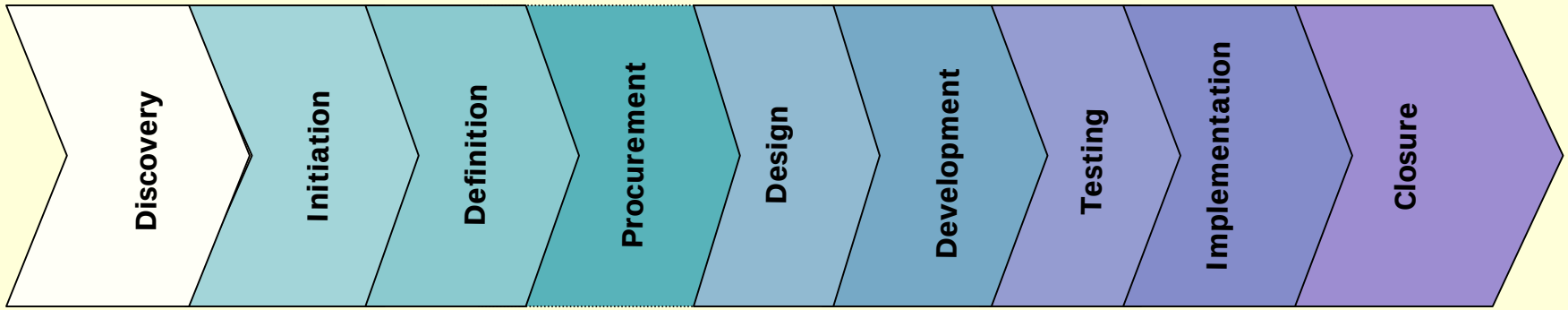
Mission: To build and sustain a strong data and information infrastructure which supports the collection, analysis, and dissemination of information about the activities, performance, and outcomes of public health programs and services at the state and local level.

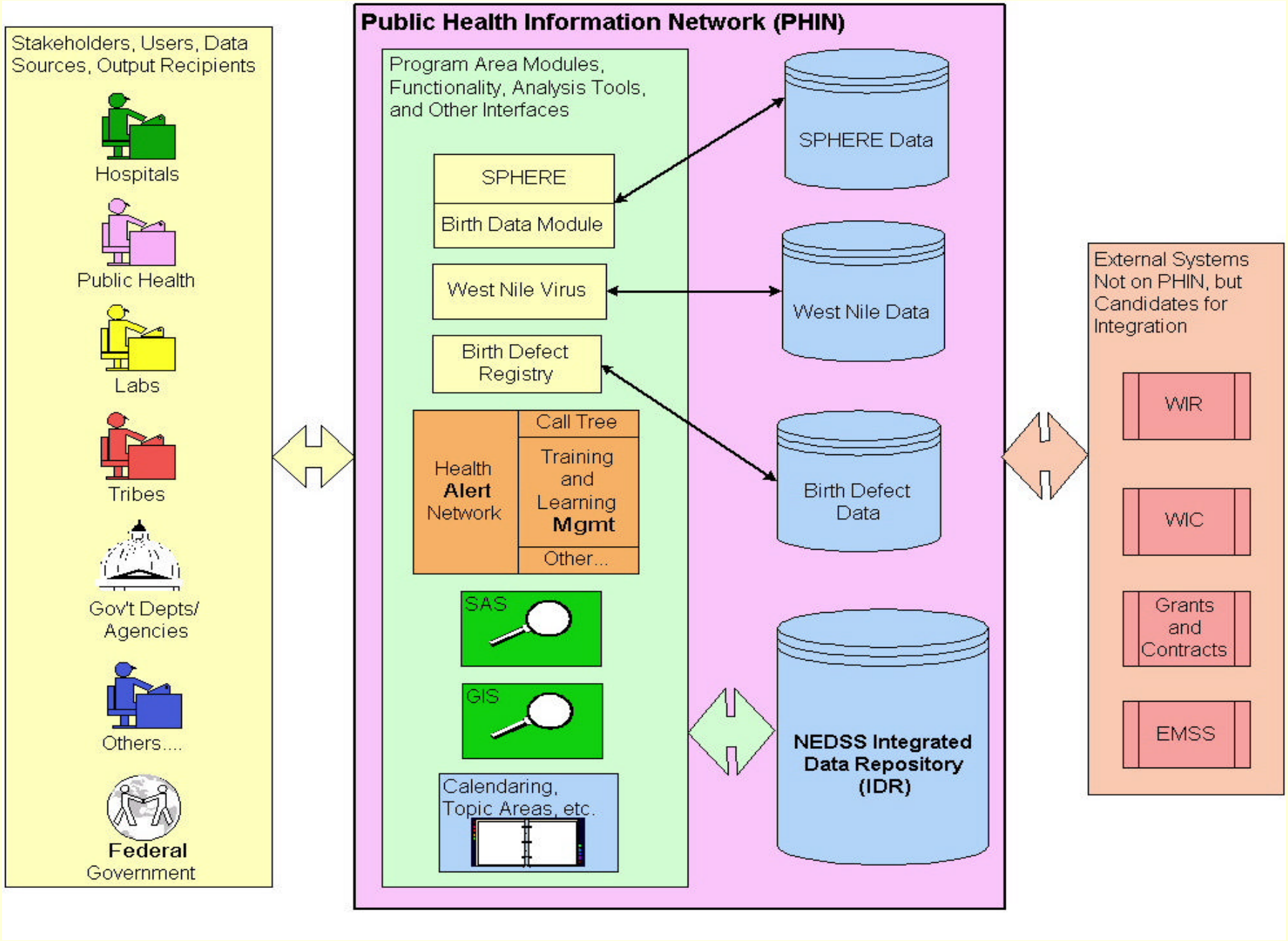
WPHDSC Members

Representatives from:

- Local Health Departments
- Division of Public Health Bureaus and Regional Offices
- Division of Management and Technology, Bureau of Information Services
- Division of Health Care Financing, Bureau of Health Information
- State Lab of Hygiene

Methodology




Stakeholders, Users, Data Sources, Output Recipients
Hospitals
Public Health
Labs
Tribes
Gov't Depts/ Agencies
Others....
Federal Government
Public Health Information Network (PHIN)
Program Area Modules, Functionality, Analysis Tools, and Other Interfaces
SPHERE
Birth Data Module
West Nile Virus
Birth Defect Registry
Health Alert Network
Call Tree
Training and Learning Mgmt
Other...
SAS
GIS
Calendaring, Topic Areas, etc.
SPHERE Data
West Nile Data
Birth Defect Data
NEDSS Integrated Data Repository (IDR)
External Systems Not on PHIN, but Candidates for Integration
WIR
WIC
Grants and Contracts
EMSS

Health Alert Network

A Nationwide system for:

- Communications and Information Access
- Distance-based Learning
- Organizational Development

National Electronic Disease Surveillance System (NEDSS) Program Area Modules (PAM)

An integrated system of Web-based data collection programs that use the same "language" to allow for secure sharing of public health data.

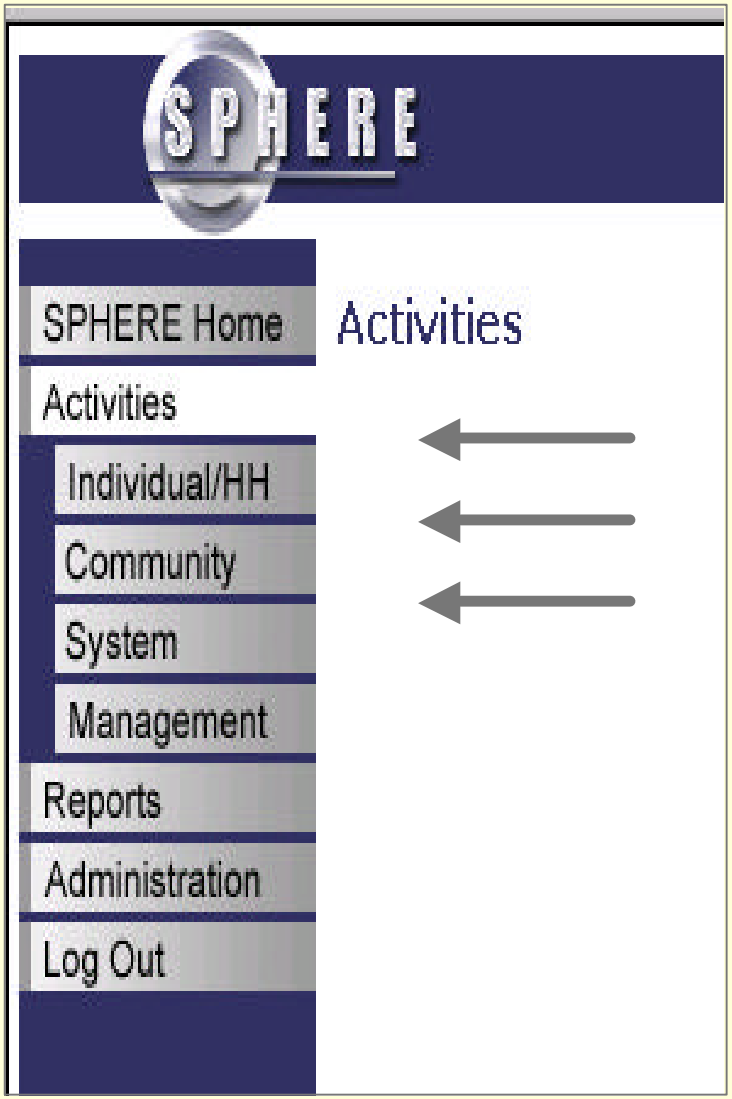
NEDSS PAMS

- SPHERE (Secure Public Health Record Environment)
- West Nile
- WE-TRAC
- Case Point
- Birth Defect Registry

SPHERE Design

- Lead Team with State,Regional and Local Representation
- Defined business requirements
- A public health system for local/state documentation of:
  - Individual/Household Activities
  - Community Activities
  - System Activities

SPHERE Activities



SPHERE Helps Document and Measure

- DPH Contract Objectives
- *Healthiest Wisconsin 2010*
    - Health & Infrastructure Priorities
- Broader organizational objectives

PHIN is the Portal for SPHERE

- All PHIN users do NOT have access to SPHERE

- SPHERE access is granted by the State & Local Organization Administrator(s)

SPHERE Enhancements

- Birth Records - January
- Medicaid Billing - define requirements in Discovery Report
- Additional detail screens
- Reports - standard and ad hoc reporting

Other DPH Systems

- Grants and Contracts (GAC)
- Wisconsin Immunization Registry (WIR)
- Women, Infants and Children (WIC)
- Emergency Medical Services System (EMSS)

Discussion and Questions...